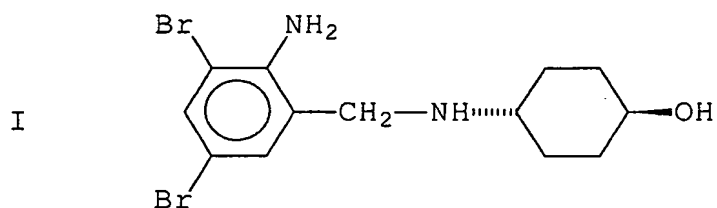


**Patent claims**

1. Use of at least one effector of glutathione metabolism together with  $\alpha$ -lipoic acid, its salts and/or its pro-drugs for the simultaneous, separate or timed cytoprotective treatment of chronically obstructive lung diseases.

2. Use according to claim 1, **characterised in that** the dose of the  $\alpha$ -lipoic acid, its salts and/or its pro-drugs for administration to a human patient is between 30 and 1800 mg/d, preferably between 200 and 600 mg/d.

3. Use according to at least one of the preceding claims, **characterised in that** ambroxol of the general formula I,



its salts and/or its pro-drugs is/are used as the effector.

4. Use according to claim 3, **characterised in that** the dose of ambroxol, its salts and/or its pro-drugs for administration to a human patient is between 7.5 and 90 mg/d, preferably between 60 and 75 mg/d.

5. Use according to at least one of the preceding claims, **characterised in that** silibinin, its salts and/or its pro-drugs is/are used as the effector.
- 5 6. Use according to claim 5,  
**characterised in that** the dose of silibinin, its salts/or its pro-drugs for administration to a human patient is between 20 and 1600 mg/d, preferably between 300 and 800 mg/d.
- 10 7. Use according to at least one of the preceding claims,  
**characterised in that** the medicine can be administered by inhalation, orally or  
15 parenterally.
8. Use according to at least one of the preceding claims,  
**characterised in that** the medicine contains  
20 further additives selected from the group of aqueous solvents, stabilisers, suspending, dispersing and wetting agents.
9. Use according to at least one of the preceding  
25 claims,  
**characterised in that** the medicine is presented in the form of an aerosol, a solution, granules, a powder, an emulsion, a tablet and/or a film tablet.
- 30 10. Use according to at least one of the preceding claims,  
**characterised in that** the effector of glutathione metabolism and the  $\alpha$ -lipoic acid, its salts and/or

its pro-drugs are presented in a single formulation.

11. Use according to at least one of the preceding  
5 claims,  
**characterised in that** the effector of glutathione metabolism and the  $\alpha$ -lipoic acid, its salts and/or its pro-drugs are presented in separate formulations.

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